

Recruiters and Placement

FC Placements is the assured entry for M.Sc students to the world of Software or core Industry. As a part of pre-placement activity, our students undergo procedure to enhance their skills to the fullest before they are presented to the industry. This is an additional activity apart from regular college schedule.

This includes

1. Lecture series on latest technology.
2. Lecture series on English speaking and effective communication.
3. Lecture series on self skill developments.

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*Deccan Education Society's
Fergusson College, Pune*

*Department of Electronic Science
M.Sc. (Electronic Science)*



CURRICULUM

Master of Science (M.Sc.) in Electronic science is a post graduation course of Savitribai Phule Pune University. The credit system to be implemented through this curriculum, would allow students to develop a strong footing in the fundamentals and specializing the disciplines of his/her liking and abilities.

The students pursuing this course would have to develop in depth understanding various aspects of the subject. The working principles, design guidelines and experimental skills associated with different semiconductor devices and circuits, underlying mathematical and analysis techniques, electromagnetic and Instrumentation principles, design methodologies for digital and embedded systems, Communication Electronics and control systems and various applications of Electronic Devices, circuits and Systems are among such important aspects.

Salient Features of the Credit System:

Master's degree course in Electronic Science would be of 100 credits, where one credit course of theory will be of one clock hour per week running for 15 weeks and one credit for practical course will consist of 15 of laboratory exercise including the revision and setting up the practical. Thus, each credit will be equivalent to 15 hours

COURSES

Course Name	Master of Science (Electronic Science)
Course Type	Non-Grant
Intake	48
Eligibility	B.Sc. (Electronics) or Electronics as a subsidiary subject.
Specialization	Electronic Science
Duration	4 Semesters (2 years)
Selection Process	By Entrance Exam
Placement/ Future Career Opportunity	Industry (core + software), Research Org., Self employment, Academic Institutes.

M.Sc Electronic Science Program is designed keeping in view the credits prescribed and recognized by the Savitribai Phule Pune University. Master's degree in Electronic Science is of 100 credits. Every student has to complete 100 credits in a minimum of four semesters.

PRESCRIBED COURSE (100 credits)

Semester – I (25 credits)

(Core) Mathematical Methods in Electronics and Network Analysis, (Core) Analogue Circuit Design, (Core) Digital System Design, (Core) Advanced 'C' Programming, practical and Project Like Experiment (PLE)

Semester – II (Minimum Credits: 25, Maximum Credits: 30.)

(Core) Applied Electromagnetics, Microwaves and Antennas, (Core) Instrumentation and Measurement

Techniques, (Core) Embedded System Design, (Core) Foundation of Semiconductor Devices, practical and PLE

Semester –III (Minimum Credit: 25 Maximum Credits: 35)

(Core) Communication Electronics, (Elective) Advanced Power Electronics (Elective) Programmable Logic Controllers and Applications, (Elective) Digital Image Processing, practical and PLE

Semester –IV

(Core) Control Systems, (Elective) Advanced Embedded Systems, (Elective) Mechatronics, (Elective) VLSI System Design, Project course

ADDITIONAL COMPULSORY COURSE (10 credits)

Introduction to Cyber Security / Information Security (4 credits)
Human Rights (2 Credits)
Skill Development (4 Credits)